

## SECTION D. FARM EXPOSURES

D1. Since you were born, have you ever lived on a farm? By "farm" I mean any place that raises crops or livestock, and sells them to earn money. These questions do not apply to home gardens.

YES ..... 1  
NO ..... 2 (D36)

D2. How many farms have you lived on?

|\_|\_|  
FARMS

D3. Were any of these farm residences located in Nassau or Suffolk counties?

YES ..... 1  
NO ..... 2 (D5)

<b>D4.</b> Which of the residences that you have already told me about were farms?	
<b>FARM RESIDENCE #1</b>	<div style="border-bottom: 1px solid black; margin-bottom: 5px; height: 1.2em;"></div> RESIDENCE NUMBER FROM C1
<b>FARM RESIDENCE #2</b>	<div style="border-bottom: 1px solid black; margin-bottom: 5px; height: 1.2em;"></div> RESIDENCE NUMBER FROM C1

### BOX D-1

IF THE NUMBER OF FARMS REPORTED IN D4 EQUALS THE NUMBER  
 OF FARMS REPORTED IN D2, SKIP TO D8. OTHERWISE, CONTINUE.

I have a few questions about each of the residences that were farms outside Nassau or Suffolk county.

	D5. What was the location of the (first/next) farm that you lived on outside Nassau or Suffolk county?	D6. When did you <u>start</u> living there?	D7. When did you <u>move</u> from there?	D7a. Which seasons of the year did you live on this farm?
FARM RESIDENCE #3	<div>Street</div> <div>City State Zip</div> <div>County</div>	<div> _ _ / _ _ </div> <div>MO YR</div>	<div> _ _ / _ _ </div> <div>MO YR</div>	WINTER ..... 1 SPRING..... 2 SUMMER ..... 3 FALL..... 4 ALL YEAR ..... 5
FARM RESIDENCE #4	<div>Street</div> <div>City State Zip</div> <div>County</div>	<div> _ _ / _ _ </div> <div>MO YR</div>	<div> _ _ / _ _ </div> <div>MO YR</div>	WINTER ..... 1 SPRING..... 2 SUMMER ..... 3 FALL..... 4 ALL YEAR ..... 5

Now I am going to ask you some questions about pesticides used on (this/these) farm(s).

First, I want to be clear about what I mean when I ask about pesticides. Pesticides are not the same as fertilizers. Pesticides are used on farms to kill unwanted pests and are sometimes called insecticides which are used to kill insects, or herbicides which are used to kill weeds, or fungicides which are used to kill molds that grow on crops, or fumigants which are gases used to kill several pests.

RECORD THE FARM RESIDENCE NUMBER FROM THE RESIDENCES LISTED IN D4 AND D5.	D8. Did you participate in the buying or transporting of pesticides?	D9. Did you participate in the loading of pesticides?	D10. Did you participate in the cleaning of the pesticide mixing or application equipment?	D11. Where were the pesticides stored?
FARM RESIDENCE  # FROM D4 AND D5	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM RESIDENCE  # FROM D4 AND D5	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM RESIDENCE  # FROM D4 AND D5	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM RESIDENCE  # FROM D4 AND D5	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96

D12. Were pesticides ever used <u>on crops</u> grown on this farm?	D13. What was grown on your (first, second, etc.) farm?	D14. Did you ever harvest, pick, or work with any crops <u>by hand</u> on this farm?	D15. Which of the crops did you work with by hand?	D16. Did you ever work in the fields at the same time or within 24 hours of the time that pesticides were being applied to the crops?
YES ..... 1 NO ..... 2 (D25) DK ..... 8 (D25)	_____ _____ _____  NONE ..... 00 (D25)  _ _	YES ..... 1 NO ..... 2 (D25)	_ _	YES ..... 1 NO ..... 2 (D18)
YES ..... 1 NO ..... 2 (D25) DK ..... 8 (D25)	_____ _____ _____  NONE ..... 00 (D25)  _ _	YES ..... 1 NO ..... 2 (D25)	_ _	YES ..... 1 NO ..... 2 (D18)
YES ..... 1 NO ..... 2 (D25) DK ..... 8 (D25)	_____ _____ _____  NONE ..... 00 (D25)  _ _	YES ..... 1 NO ..... 2 (D25)	_ _	YES ..... 1 NO ..... 2 (D18)
YES ..... 1 NO ..... 2 (D25) DK ..... 8 (D25)	_____ _____ _____  NONE ..... 00 (D25)  _ _	YES ..... 1 NO ..... 2 (D25)	_ _	YES ..... 1 NO ..... 2 (D18)

RECORD THE FARM RESIDENCE NUMBER FROM THE RESIDENCES LISTED IN D4 AND D5.	D17. On average, how many times per week, month or year would you say that this occurred?	D18. Did you personally apply pesticide to any of the crops on this farm?	D19. Which crops did you apply the pesticides to?	D20. Which type of pesticides did you apply? Was it herbicides, insecticides, fungicides or fumigants? (CIRCLE ALL THAT APPLY.)
FARM RESIDENCE _____ # FROM D4 AND D5	_ _ _  TIMES      WEEK ..... 1 PER      MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D23)	_____   _ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM RESIDENCE _____ # FROM D4 AND D5	_ _ _  TIMES      WEEK ..... 1 PER      MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D23)	_____   _ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM RESIDENCE _____ # FROM D4 AND D5	_ _ _  TIMES      WEEK ..... 1 PER      MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D23)	_____   _ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM RESIDENCE _____ # FROM D4 AND D5	_ _ _  TIMES      WEEK ..... 1 PER      MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D23)	_____   _ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4

D21. As far as you can recall, what were the names of the pesticides that you used on this farm?	D22. How did you apply the pesticides?	D23. Did you personally <u>mix</u> any pesticides?	D24. IF D18 AND D23 = NO, SKIP TO D25. OTHERWISE, ASK: While applying or mixing the pesticides, did you ever wear any of the following items...
<div style="text-align: right;"> _ _ </div>	SPRAY BY HAND ..... 01 DUST OR POWDER BY HAND ..... 02 SPRAY FROM A TRACTOR OR OTHER VEHICLE ..... 03 SPRAY FROM A PLANE ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
<div style="text-align: right;"> _ _ </div>	SPRAY BY HAND ..... 01 DUST OR POWDER BY HAND ..... 02 SPRAY FROM A TRACTOR OR OTHER VEHICLE ..... 03 SPRAY FROM A PLANE ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
<div style="text-align: right;"> _ _ </div>	SPRAY BY HAND ..... 01 DUST OR POWDER BY HAND ..... 02 SPRAY FROM A TRACTOR OR OTHER VEHICLE ..... 03 SPRAY FROM A PLANE ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
<div style="text-align: right;"> _ _ </div>	SPRAY BY HAND ..... 01 DUST OR POWDER BY HAND ..... 02 SPRAY FROM A TRACTOR OR OTHER VEHICLE ..... 03 SPRAY FROM A PLANE ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>

RECORD THE FARM RESIDENCE NUMBER FROM THE RESIDENCES LISTED IN D4 AND D5.	D25. Were there livestock, or animals besides dogs and cats, on this farm?	D26. Which types of livestock were on this farm?	D27. Did you ever feed, clean, milk, herd, shear, slaughter, or have any other <u>contact with the</u> <u>livestock</u> on this farm?	D28. Which of the animals did you have contact with?
FARM RESIDENCE  # FROM D4 AND D5	YES .....1 NO .....2 (NEXT OR D36)		YES ..... 1 NO ..... 2 (D29)	
FARM RESIDENCE  # FROM D4 AND D5	YES .....1 NO .....2 (NEXT OR D36)		YES ..... 1 NO ..... 2 (D29)	
FARM RESIDENCE  # FROM D4 AND D5	YES .....1 NO .....2 (NEXT OR D36)		YES ..... 1 NO ..... 2 (D29)	
FARM RESIDENCE  # FROM D4 AND D5	YES .....1 NO .....2 (NEXT OR D36)		YES ..... 1 NO ..... 2 (D29)	

<p align="center"><b>D29.</b></p> <p>Were the <u>insides of buildings</u> where livestock were kept, or the <u>livestock animals</u>, ever treated with pesticides, such as insecticides?</p>	<p align="center"><b>D30.</b></p> <p>Did you personally apply pesticides to livestock buildings or livestock animals of this farm?</p>	<p align="center"><b>D31.</b></p> <p>Which livestock did you apply the pesticides to?</p>	<p align="center"><b>D32.</b></p> <p>As far as you can recall, what were the names of the pesticides that you used on animals and/or buildings?</p>
<p>YES .....1  NO .....2 } (NEXT  DK .....8 } OR  D36)</p>	<p>YES .....1  NO .....2 (D34)</p>	<p align="right"> _ _ </p>	<p align="right"> _ _ </p>
<p>YES .....1  NO .....2 } (NEXT  DK .....8 } OR  D36)</p>	<p>YES .....1  NO .....2 (D34)</p>	<p align="right"> _ _ </p>	<p align="right"> _ _ </p>
<p>YES .....1  NO .....2 } (NEXT  DK .....8 } OR  D36)</p>	<p>YES .....1  NO .....2 (D34)</p>	<p align="right"> _ _ </p>	<p align="right"> _ _ </p>
<p>YES .....1  NO .....2 } (NEXT  DK .....8 } OR  D36)</p>	<p>YES .....1  NO .....2 (D34)</p>	<p align="right"> _ _ </p>	<p align="right"> _ _ </p>



RECORD THE FARM RESIDENCE NUMBER FROM THE RESIDENCES LISTED IN D4 AND D5.	D33. How did you apply the pesticides?	D34. Did you personally mix any pesticides?	D35. IF D30 AND D34=NO, SKIP TO D36. OTHERWISE, ASK: While applying or mixing the pesticides, did you ever wear any of the following items?
FARM RESIDENCE <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
FARM RESIDENCE <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
FARM RESIDENCE <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>
FARM RESIDENCE <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/>

125

**YES** .....

NO ..... 2 (BOX D-3)

**D37. How many farms have you worked on?**

111

NUMBER OF FARMS

**D38. Were any of these occupations that you have already told me about?**

**YES** .....

NO ..... 2 (D41)

	D39. Which of the occupations that you have already told me about were farms?	D40. Which seasons of the year did you work on this farm?
FARM OCCUPATION #1	OCCUPATION # FROM B1	WINTER ..... 1 SPRING ..... 2 SUMMER ..... 3 FALL ..... 4 ALL YEAR ..... 5
FARM OCCUPATION #2	OCCUPATION # FROM B1	WINTER ..... 1 SPRING ..... 2 SUMMER ..... 3 FALL ..... 4 ALL YEAR ..... 5

**BOX D-2**  
**IF THE NUMBER OF FARMS REPORTED IN D39 EQUALS THE NUMBER OF FARMS REPORTED IN D37, SKIP TO D47. OTHERWISE, CONTINUE.**

**IF THE NUMBER OF FARMS REPORTED IN D39 EQUALS THE NUMBER OF FARMS REPORTED IN D37, SKIP TO D47. OTHERWISE, CONTINUE.**

	D41. What was your complete job title at the (first/next) farm that you worked on?	D42. When did you <u>start</u> working there?	D43. When did you <u>stop</u> working there?	D44. Which seasons of the year did you work on this farm?	D45. On average, how many hours per week did you work at this job?	D46. What was the address where you worked for this job? (IF UNKNOWN, PROBE FOR NAME OF EMPLOYER, CITY AND STATE.)
FARM OCCUPATION #3		_ _ / _ _  MO YR OR   _ _  AGE	_ _ / _ _  MO YR OR   _ _  AGE	WINTER ..... 1 SPRING ..... 2 SUMMER ..... 3 FALL ..... 4 ALL YEAR ..... 5	_ _  HRS/WK	
FARM OCCUPATION #4		_ _ / _ _  MO YR OR   _ _  AGE	_ _ / _ _  MO YR OR   _ _  AGE	WINTER ..... 1 SPRING ..... 2 SUMMER ..... 3 FALL ..... 4 ALL YEAR ..... 5	_ _  HRS/WK	

Now I have some more detailed questions about each of the farm occupations that you have had.

(First, I want to be clear about what I mean when I ask about pesticides. Pesticides are not the same as fertilizers. Pesticides are used on farms to kill unwanted pests and are sometimes called insecticides which are used to kill insects, or herbicides which are used to kill weeds, or fungicides which are used to kill molds that grow on crops, or fumigants which are gases used to kill several pests.)

RECORD THE FARM OCCUPATION NUMBER FROM THE OCCUPATIONS LISTED IN D39 AND D41.	D47. Did you participate in the buying or transporting of pesticides?	D48. Did you participate in the loading of pesticides?	D49. Did you participate in the cleaning of the pesticide mixing or application equipment?	D50. Where were the pesticides stored?
FARM OCCUPATION  # FROM D39 AND D41	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM OCCUPATION  # FROM D39 AND D41	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM OCCUPATION  # FROM D39 AND D41	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96
FARM OCCUPATION  # FROM D39 AND D41	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	YES ..... 1 NO ..... 2	IN THE BASEMENT OR UNDER THE HOUSE ..... 01 IN ANY ROOM IN OR ATTACHED TO THE HOUSE ..... 02 IN A BARN OR OUTSIDE STORAGE SHED ..... 03 OTHER (SPECIFY) ..... 96

D51. Were pesticides ever used <u>on crops</u> grown on this farm?	D52. What was grown on your (first, second, etc.) farm?	D53. Did you ever harvest, pick, or work with any crops <u>by hand</u> on this farm?	D54. Which of the crops did you work with by hand?	D55. Did you ever work in the fields at the same time or within 24 hours of the time that pesticides were being applied to the crops?
YES ..... 1 NO ..... 2 (D64) DK ..... 8 (D64)	_____ _____ _____  NONE ..... 00 (D64)  _ _	YES ..... 1 NO ..... 2 (D64)	     _ _	YES ..... 1 NO ..... 2 (D57)
YES ..... 1 NO ..... 2 (D64) DK ..... 8 (D64)	_____ _____ _____  NONE ..... 00 (D64)  _ _	YES ..... 1 NO ..... 2 (D64)	     _ _	YES ..... 1 NO ..... 2 (D57)
YES ..... 1 NO ..... 2 (D64) DK ..... 8 (D64)	_____ _____ _____  NONE ..... 00 (D64)  _ _	YES ..... 1 NO ..... 2 (D64)	     _ _	YES ..... 1 NO ..... 2 (D57)
YES ..... 1 NO ..... 2 (D64) DK ..... 8 (D64)	_____ _____ _____  NONE ..... 00 (D64)  _ _	YES ..... 1 NO ..... 2 (D64)	     _ _	YES ..... 1 NO ..... 2 (D57)

RECORD THE FARM OCCUPATION NUMBER FROM THE OCCUPATIONS LISTED IN D39 AND D41.	D56. On average, how many times per week, month or year would you say that this occurred?	D57. Did you personally apply pesticide to any of <u>the crops</u> on this farm?	D58. Which crops did you apply the pesticides to?	D59. Which type of pesticides did you apply? Was it herbicides, fungicides or fumigants? (CIRCLE ALL THAT APPLY.)
FARM OCCUPATION  _____ # FROM D39 AND D41	_ _ _  TIMES    WEEK ..... 1 PER    MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D62)	_ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM OCCUPATION  _____ # FROM D39 AND D41	_ _ _  TIMES    WEEK ..... 1 PER    MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D62)	_ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM OCCUPATION  _____ # FROM D39 AND D41	_ _ _  TIMES    WEEK ..... 1 PER    MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D62)	_ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4
FARM OCCUPATION  _____ # FROM D39 AND D41	_ _ _  TIMES    WEEK ..... 1 PER    MONTH ..... 2 YEAR ..... 3	YES ..... 1 NO ..... 2 (D62)	_ _	HERBICIDES ..... 1 INSECTICIDES ..... 2 FUNGICIDES ..... 3 FUMIGANTS ..... 4

<p>D60.</p> <p>As far as you can recall, what were the names of the pesticides that you used on this farm?</p>	<p>D61.</p> <p>How did you apply the pesticides?</p>	<p>D62.</p> <p>Did you personally <u>mix</u> any pesticides?</p>	<p>D63.</p> <p>IF D57 AND D62 = 0, SKIP TO D64. OTHERWISE, ASK: While applying or mixing the pesticides, did you ever wear any of the following items?</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>SPRAY BY HAND ..... 01</p> <p>DUST OR POWDER</p> <p>BY HAND ..... 02</p> <p>SPRAY FROM A TRACTOR</p> <p>OR OTHER VEHICLE ..... 03</p> <p>SPRAY FROM A PLANE ..... 04</p> <p>OTHER (SPECIFY) ..... 96</p> <p>_____</p>	<p>YES ..... 1</p> <p>NO ..... 2</p>	<p>Chemically resistant gloves, ..... 01</p> <p>Mask or respirator, ..... 02</p> <p>Protective clothing such as</p> <p>long pants or long sleeves, ..... 03</p> <p>Hat, ..... 04</p> <p>Rubber boots or</p> <p>leather shoes, ..... 05</p> <p>Rubber aprons, ..... 06</p> <p>Disposable clothing, or ..... 07</p> <p>Some other item? (SPECIFY) ..... 96</p> <p>_____</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>SPRAY BY HAND ..... 01</p> <p>DUST OR POWDER</p> <p>BY HAND ..... 02</p> <p>SPRAY FROM A TRACTOR</p> <p>OR OTHER VEHICLE ..... 03</p> <p>SPRAY FROM A PLANE ..... 04</p> <p>OTHER (SPECIFY) ..... 96</p> <p>_____</p>	<p>YES ..... 1</p> <p>NO ..... 2</p>	<p>Chemically resistant gloves, ..... 01</p> <p>Mask or respirator, ..... 02</p> <p>Protective clothing such as</p> <p>long pants or long sleeves, ..... 03</p> <p>Hat, ..... 04</p> <p>Rubber boots or</p> <p>leather shoes, ..... 05</p> <p>Rubber aprons, ..... 06</p> <p>Disposable clothing, or ..... 07</p> <p>Some other item? (SPECIFY) ..... 96</p> <p>_____</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>SPRAY BY HAND ..... 01</p> <p>DUST OR POWDER</p> <p>BY HAND ..... 02</p> <p>SPRAY FROM A TRACTOR</p> <p>OR OTHER VEHICLE ..... 03</p> <p>SPRAY FROM A PLANE ..... 04</p> <p>OTHER (SPECIFY) ..... 96</p> <p>_____</p>	<p>YES ..... 1</p> <p>NO ..... 2</p>	<p>Chemically resistant gloves, ..... 01</p> <p>Mask or respirator, ..... 02</p> <p>Protective clothing such as</p> <p>long pants or long sleeves, ..... 03</p> <p>Hat, ..... 04</p> <p>Rubber boots or</p> <p>leather shoes, ..... 05</p> <p>Rubber aprons, ..... 06</p> <p>Disposable clothing, or ..... 07</p> <p>Some other item? (SPECIFY) ..... 96</p> <p>_____</p>
<p>_____</p> <p>_____</p> <p>_____</p>	<p>SPRAY BY HAND ..... 01</p> <p>DUST OR POWDER</p> <p>BY HAND ..... 02</p> <p>SPRAY FROM A TRACTOR</p> <p>OR OTHER VEHICLE ..... 03</p> <p>SPRAY FROM A PLANE ..... 04</p> <p>OTHER (SPECIFY) ..... 96</p> <p>_____</p>	<p>YES ..... 1</p> <p>NO ..... 2</p>	<p>Chemically resistant gloves, ..... 01</p> <p>Mask or respirator, ..... 02</p> <p>Protective clothing such as</p> <p>long pants or long sleeves, ..... 03</p> <p>Hat, ..... 04</p> <p>Rubber boots or</p> <p>leather shoes, ..... 05</p> <p>Rubber aprons, ..... 06</p> <p>Disposable clothing, or ..... 07</p> <p>Some other item? (SPECIFY) ..... 96</p> <p>_____</p>

RECORD THE FARM OCCUPATION NUMBER FROM THE OCCUPATIONS LISTED IN D39 AND 41.	D64. Were there livestock, or animals besides dogs and cats, on this farm?	D65. Which types of livestock were on this farm?	D66. Did you ever feed, clean, milk, herd, shear, slaughter, or have any other <u>contact with the</u> <u>livestock</u> on this farm?	D67. Which of the animals did you have contact with?
FARM OCCUPATION _____ # FROM D39 AND D41	YES .....1 NO .....2 (NEXT OR BOX D-3)	      _ _	YES ..... 1 NO ..... 2 (D68)	      _ _
FARM OCCUPATION _____ # FROM D39 AND D41	YES .....1 NO .....2 (NEXT OR BOX D-3)	      _ _	YES ..... 1 NO ..... 2 (D68)	      _ _
FARM OCCUPATION _____ # FROM D39 AND D41	YES .....1 NO .....2 (NEXT OR BOX D-3)	      _ _	YES ..... 1 NO ..... 2 (D68)	      _ _
FARM OCCUPATION _____ # FROM D39 AND D41	YES .....1 NO .....2 (NEXT OR BOX D-3)	      _ _	YES ..... 1 NO ..... 2 (D68)	      _ _

<p><b>D68.</b> Were the <u>insides of buildings</u> where livestock were kept, or the <u>livestock animals</u>, ever treated with pesticides, such as insecticides?</p>	<p><b>D69.</b> Did you personally apply pesticides to livestock buildings or livestock animals of this farm?</p>	<p><b>D70.</b> Which livestock did you apply the pesticides to?</p>	<p><b>D71.</b> As far as you can recall, what were the names of the pesticides that you used on animals and/or buildings?</p>
<p>YES .....1 NO .....2 } (NEXT DK .....8 } OR BOX D-3)</p>	<p>YES .....1 NO .....2 (D73)</p>	<p>_____</p>	<p>_____</p>
<p>YES .....1 NO .....2 } (NEXT DK .....8 } OR BOX D-3)</p>	<p>YES .....1 NO .....2 (D73)</p>	<p>_____</p>	<p>_____</p>
<p>YES .....1 NO .....2 } (NEXT DK .....8 } OR BOX D-3)</p>	<p>YES .....1 NO .....2 (D73)</p>	<p>_____</p>	<p>_____</p>
<p>YES .....1 NO .....2 } (NEXT DK .....8 } OR BOX D-3)</p>	<p>YES .....1 NO .....2 (D73)</p>	<p>_____</p>	<p>_____</p>



RECORD THE FARM OCCUPATION NUMBER FROM THE OCCUPATIONS LISTED IN D39 AND D41.	D72. How did you apply the pesticides?	D73. Did you personally mix any pesticides?	D74. IF D69 AND D73=NO, SKIP TO BOX D-3. OTHERWISE, ASK: While applying or mixing the pesticides, did you ever wear any of the following items?
FARM OCCUPATION <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/> <div style="float: right; text-align: center;">             (NEXT OR BOX D3)           </div>
FARM OCCUPATION <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/> <div style="float: right; text-align: center;">             (NEXT OR BOX D3)           </div>
FARM OCCUPATION <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/> <div style="float: right; text-align: center;">             (NEXT OR BOX D3)           </div>
FARM OCCUPATION <hr/> # FROM D4 AND D5	SPRAYING ..... 01 DIPPING ..... 02 POWDERING ..... 03 POURING ..... 04 OTHER (SPECIFY) ..... 96 <hr/>	YES ..... 1 NO ..... 2	Chemically resistant gloves, ..... 01 Mask or respirator, ..... 02 Protective clothing such as long pants or long sleeves, ..... 03 Hat, ..... 04 Rubber boots or leather shoes, ..... 05 Rubber aprons, ..... 06 Disposable clothing, or ..... 07 Some other item? (SPECIFY) ..... 96 <hr/> <div style="float: right; text-align: center;">             (NEXT OR BOX D3)           </div>

**BOX D-3**  
IF SUBJECT NEVER LIVED OR WORKED ON A FARM (D1=NO AND D36=NO), GO TO SECTION E. OTHERWISE, CONTINUE.

D75. The next few questions ask about fertilizers. Fertilizers are used on crops to improve their growth and yield. Have you ever lived or worked on a farm where fertilizers were used?

YES ..... 1  
NO ..... 2 (SECTION E)  
DON'T KNOW ..... 8 (SECTION E)

D76. Did you ever personally apply, or otherwise handle, the fertilizers?

YES ..... 1  
NO ..... 2